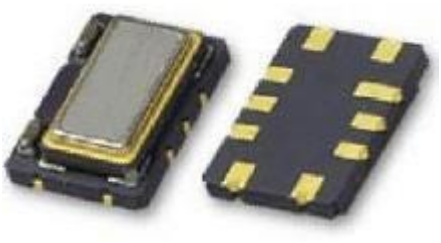
Dynamic Engineers Inc.
2550 Gray Falls Dr., Suite#128, Houston, TX, 77077
TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

TCXO7500THP-19.2MHz-A
Highly Stable VCTCXO

Features

Better than ± 250 ppb from -40℃ to +85℃ w.r.t. 25℃ frequency reading
19.2MHz low noise clipped sine output
Less than ±1ppm aging over 20 years
Low Noise Clipped Sine Output
Rugged 7mm x 5mm SMD Package

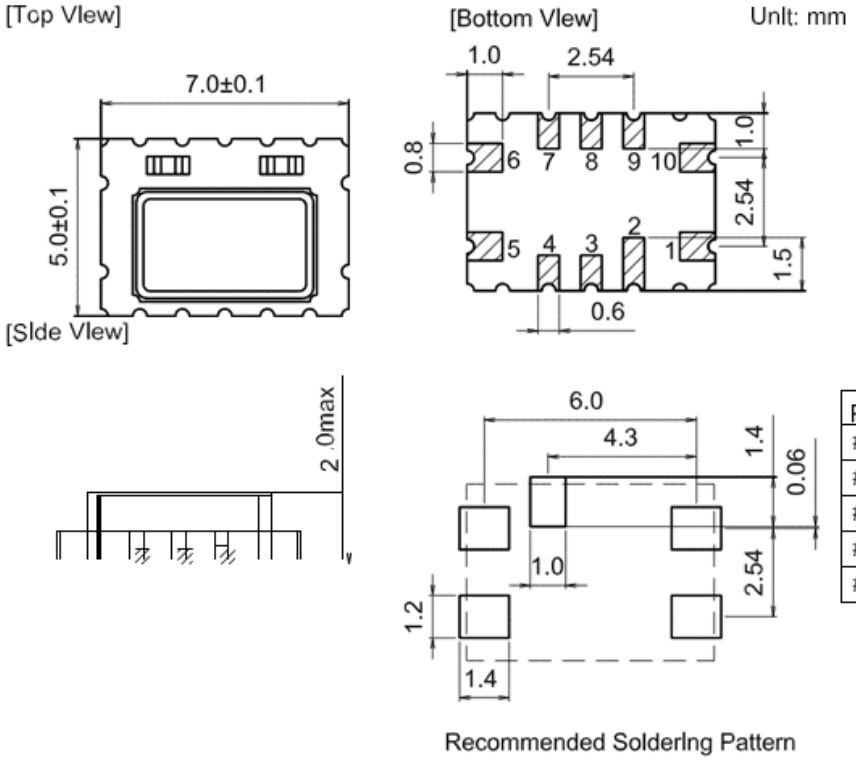
Picture of Part



Typical Applications

Transmission,TDM networks
SDH, SONET
Wireless communications
IEEE 1588v2, SyncE
STRATUM III
Wireless backhaul
Metro carrier Ethernet
Femtocells, picocells

Mechanical Drawing & Pin Connections



Pln	Functlon	Pln	Functlon
#1	VCON	#6	Output
#2	NC	#7	NC
#3	NC	#8	NC
#4	NC	#9	**Trl-State Control**
#5	GND	#10	V_{DD}

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Specifications

VCTCXO Specification		Sym.	Condition	Value			Unit	Notes
				Min.	Typ.	Max.		
Operational Frequency Range		f_0			19.200000		MHz	
Clipped Sine Waveform	Load Resistance				10		KOhm	+/-10%
	Load Capacitance				10		pF	+/-10%
	Level			1.0			Vp-p	
Power supply								
Voltage		V_{cc}		4.75	5.0	5.25	V	
Current Consumption						5	mA	
Frequency stability								
VS. Temperature			-40℃ to +85℃			+/-0.250	PPM	Referenced to 25℃ reading
VS. Supply						+/-0.1	PPM	Vcc+/-5%
VS. loading						+/-0.1	PPM	Load+/-10%
Aging								
First Year Aging			After 30 days operation			+/- 0.3	PPM	
20 year Projected Aging Shift						+/- 1	PPM	
SSB Phase noise At 19.2 MHz c l i p p e d sine wave			100Hz		-123		dBc/Hz	
			1KHz		-140			
			10KHz		-150			
			100KHz		-153			
Control Voltage Characteristics								
Contol Voltage		Vc		0.600	2.100	3.600	V	
Frquency Pullibility@25C				+/-5			PPM	
Control Slope								Positive Slope
Monotonic Linearity				5			%	
Input Impedance				100K			Ohm	
Modulation Bandwidth(3dB)				10			KHz	